

10/518182

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 2003/107313 A3

(51) International Patent Classification⁷: G09G 3/32

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(21) International Application Number:
PCT/GB2003/002529

(22) International Filing Date: 11 June 2003 (11.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0213986.3 18 June 2002 (18.06.2002) GB

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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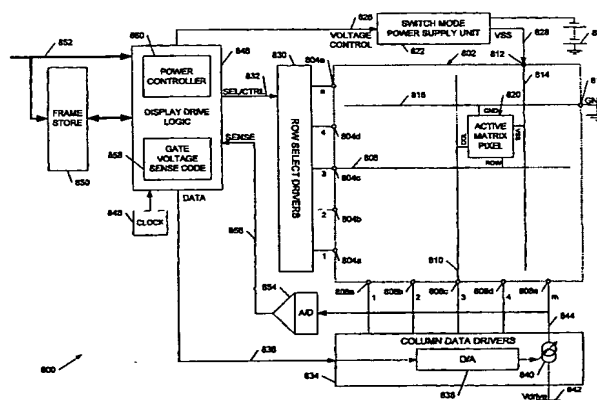
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: DATA DRIVER CIRCUIT FOR OLED DISPLAY



(57) Abstract: This invention generally relates to display driver circuits for electro-optic displays, and more particularly relates to circuits and methods for driving active matrix organic light emitting diode displays with greater efficiency. A display driver (800) for an electroluminescent display (802), comprises a plurality of electroluminescent display elements each associated with a display element driver circuit (820), each said display element driver circuit including a drive transistor having a control connection for driving the associated display element in accordance with a voltage on the control connection. The display driver comprises at least one display element brightness controller (846) to provide an output to drive a said control connection to control the electroluminescent output from a said display element. A voltage sensor (854, 858) senses the voltage on a said control connection; and a power controller (860) for controls an adjustable power supply for providing an adjustable voltage to said electroluminescent display to power said drive transistors for driving said display elements. The power controller is configured to provide a control signal to adjust said power supply voltage in response to said sensed voltage.



(88) Date of publication of the international search report:
4 March 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02529

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G09G3/32		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G09G		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EP0-Internal, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	US 2001/024186 A1 (ATHERTON JAMES HAROLD ET AL) 27 September 2001 (2001-09-27)	1-6, 14
Y	paragraph '0102! - paragraph '0109!; figures 2,12,13 --- -/-	7-13, 15-28
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Date of the actual completion of the international search 12 December 2003		Date of mailing of the international search report 19/12/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Morris, D

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/02529

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